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In the Claims

1. (currently amended) A self-cleaning, ventilated brake rotor comprising:
first and second circular members having annular braking surfaces jointly defining
inner and outer circumferential surfaces and a central portion;

an elongated slot provided in each annular braking surface, each said slot having a
depth, a width and a length extending from said central portion to an outer periphery of
said rotor;

a plurality of spaced openings in a bottom of each said elongated slot; and
each said elongated slot terminating adjacent to but short of and spaced from said
outer periphery and central portion of said rotor[. . .];

a flow channel is provided between the circular members and opposite said inner
and outer circumferential surfaces; and

a plurality of vanes in said flow channel between the inner and outer
circumferential surfaces, wherein at least a pair of vanes defines a flow channel having a
first flow channel opening near the central region and a second flow channel opening
provided near a periphery of the brake rotor, and the opening in each said elongated slot
communicates with said flow channel.

2. (original) The rotor according to claim 1, further comprising a hat portion
disposed in the central portion and adapted for mounting the rotor to a vehicle.

3. (canceled)

4. (previously presented) The brake rotor according to claim 1, wherein each
of said spaced openings has a width or radius equal to or smaller than the width of the
slot.

5-19. (canceled)

20. (currently amended) The brake rotor according to claim 4 [[11]], wherein
all or a portion of each said elongated slot is substantially straight.

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21. (currently amended) The brake rotor according to claim 4 [[11]], wherein each said elongated slot includes a curve.

22-53. (canceled)

54. (previously presented) A vehicle having a disc braking system including one or more disc brake rotors, each rotor comprising:

first and second circular members having annular braking surfaces on opposite sides of said rotor, said rotor having a central portion;

a plurality of angled and spaced elongated slots provided on each of said annular braking surfaces, each of said elongated slots having a depth, a length, first and second ends, and a width with a first end of each elongated slot adjacent to and spaced from said central portion and the second end of each elongated slot adjacent to and spaced from an outer periphery of said rotor;

a plurality of vanes between said circular members adjacent said annular braking surfaces; and

each elongated slot in said first and second annular braking surfaces having a plurality of spaced bottom openings for communicating with an elongated slot on an opposite braking surface through a space between adjacent vanes.

55. (canceled)